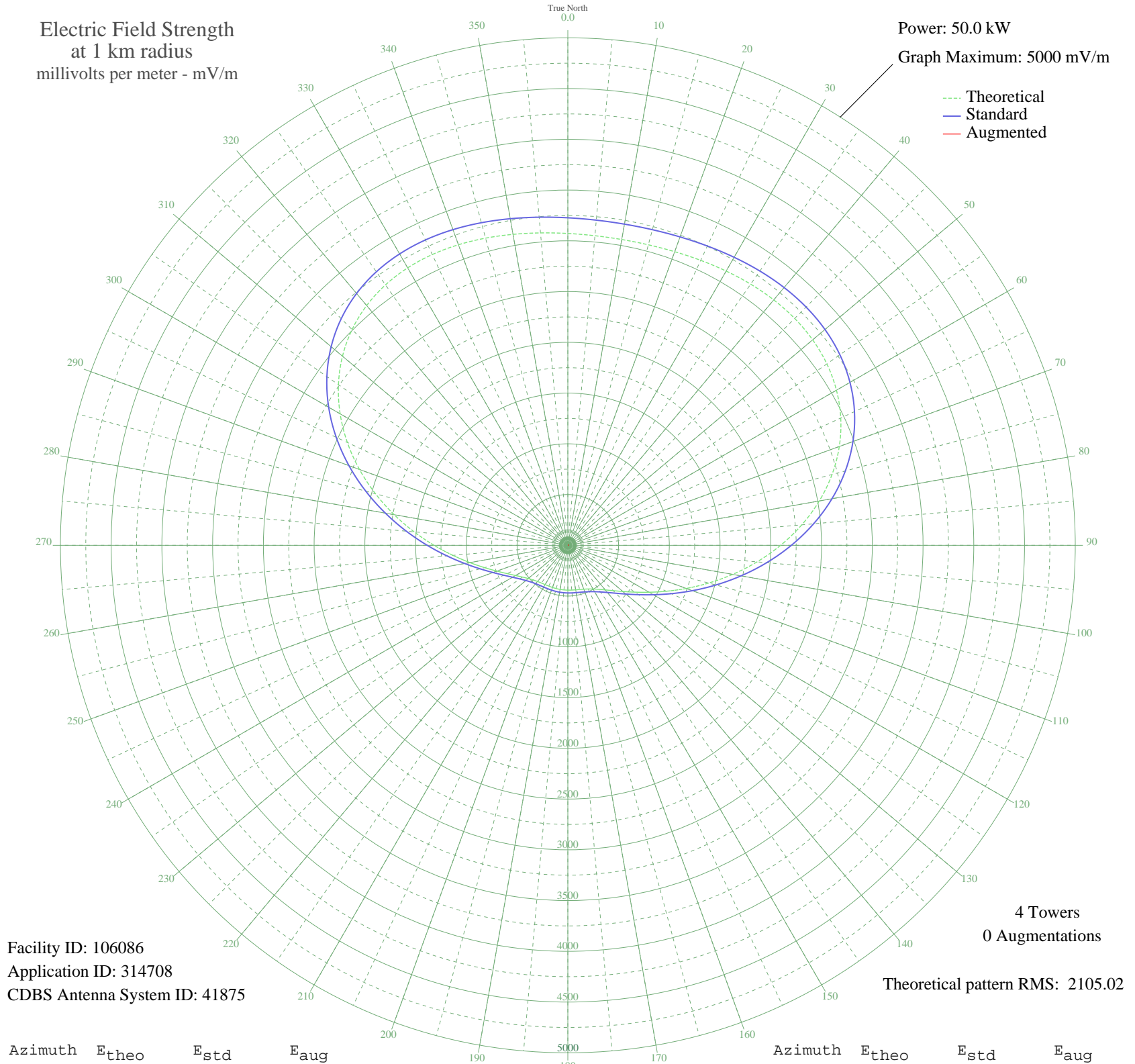


# CFRA OTTAWA, ON Canada -- 580 kHz

Daytime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 106086  
Application ID: 314708  
CDBS Antenna System ID: 41875

4 Towers  
0 Augmentations  
Theoretical pattern RMS: 2105.02

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3072.41	3226.88	
5	3061.84	3215.79	
10	3059.31	3213.13	
15	3065.16	3219.27	
20	3078.61	3233.39	
25	3097.82	3253.56	
30	3119.91	3276.74	
35	3141.02	3298.91	
40	3156.51	3315.17	
45	3161.14	3320.03	
50	3149.43	3307.73	
55	3116.07	3272.71	
60	3056.45	3210.13	
65	2967.17	3116.42	
70	2846.62	2989.87	
75	2695.28	2831.01	
80	2516.03	2642.87	
85	2314.05	2430.89	
90	2096.49	2202.57	
95	1871.84	1966.83	
100	1649.11	1733.16	
105	1436.90	1510.57	
110	1242.43	1306.66	
115	1070.85	1126.85	
120	924.80	973.87	
125	804.39	847.87	
130	707.76	746.84	
135	631.87	667.60	
140	573.41	606.64	
145	529.36	560.76	
150	497.17	527.28	
155	474.64	503.87	
160	459.73	488.40	
165	450.55	478.86	
170	445.35	473.47	
175	442.70	470.73	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	441.53	469.51	
185	441.10	469.07	
190	441.02	468.99	
195	441.21	469.19	
200	441.88	469.87	
205	443.53	471.59	
210	447.05	475.24	
215	453.65	482.09	
220	464.91	493.77	
225	482.63	512.17	
230	508.77	539.34	
235	545.42	577.49	
240	594.90	629.05	
245	659.95	696.91	
250	743.74	784.44	
255	849.56	895.12	
260	980.10	1031.78	
265	1136.51	1195.65	
270	1317.71	1385.58	
275	1520.02	1597.75	
280	1737.41	1825.79	
285	1961.98	2061.41	
290	2184.86	2295.31	
295	2397.15	2518.11	
300	2590.80	2721.35	
305	2759.38	2898.30	
310	2898.61	3044.45	
315	3006.59	3157.79	
320	3083.70	3238.73	
325	3132.33	3289.78	
330	3156.42	3315.07	
335	3160.94	3319.82	
340	3151.31	3309.71	
345	3132.97	3290.46	
350	3110.95	3267.35	
355	3089.61	3244.94	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission